LG

LG

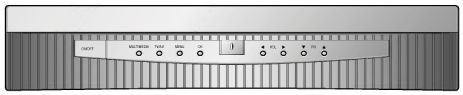
Please read this owner's manual carefully before operating the PDP Tuner.
Retain it for future reference.
Record model number and serial number of the PDP Tuner.
See the label attached on the back of the PDP Tuner and quote this information to your dealer when you require service.

Model number :
Serial number :

PDP TUNER

RZ-BA10
OWNER'S MANUAL

P/NO : 3828VA0292A ©
(MP00MA, 067G TX, 373-026H)



LG Plasma Colour Display

Plasma Display operates as a group of MZ-40PA18/42PZ10/14 (Monitor), RZ-BA10 (PDP Tuner) and AP-42SA10 (Speaker) series. Hear in after this plasma display group is called the Plasma Display.

What is a Plasma Display ?

If voltage is inputted to gas in glass panels, ultraviolet rays is outputted and fused with a fluorescent substance. At this moment, light is emitted. A Plasma Display is a next generation flat Display using this phenomenon.

160° - Wide angle range of vision

A Plasma Display provides more than 160° angle range of vision so that you can get a picture without distortion from any direction.

Easy installation

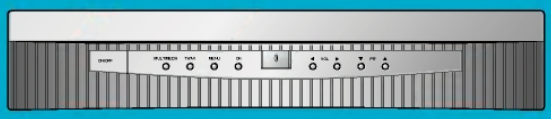
A Plasma Display is much lighter and smaller than other same class products so that you can install the Plasma Display at the desired place.

Big screen

The screen of a Plasma Display is 40/42" so that you can get vivid experience as if you are in a theatre.

Multimedia Plasma Display

A Plasma Display can be connected with a computer so that you can use it as a screen for conference, game, internet and so on.



After reading this manual, keep it in the place where the user can always contact easily.

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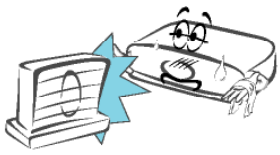
Safety Instructions

Indoor Installation

⚠ WARNING

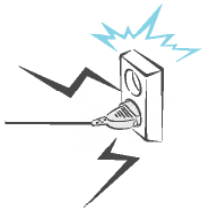
Do not place the PDP Tuner in direct sunlight or near heat sources such as heat registers, stove and so on.

- This may cause a fire.



⚠ NOTES

Disconnect from the mains and remove all connections before moving.



Outdoor Installation

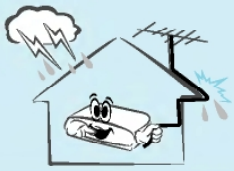
⚠ WARNING

Do not use the PDP Tuner in damp place such as a bathroom or any place where it is likely to get wet.

- This may cause a fire or could give an electric shock.

Bend antenna cable between inside and outside building to prevent rain from flowing in.

- This may cause water damaged inside the PDP Tuner and could give an electric shock.



Power

⚠ WARNING

The plug should fit into the power outlet completely.

- This may cause a fire.

⚠ NOTES

Never touch the power plug with a wet hand

- This may cause an electric shock.

* Safety instructions have two kinds of information, and each meaning of it is as below.

⚠WARNING **The violation of this instruction may cause serious injuries and even death.**

⚠NOTES **The violation of this instruction may cause light injuries or damage of the product.**

⚠ **Take care of danger that may happen under specific condition.**

⚠NOTES

Do not place the PDP Tuner in a built-in installation such as a book-case or rack.

- Ventilation required.

When installing the PDP Tuner on a table, be careful not to place the edge of its stand.

- This may cause the PDP Tuner to fall, causing serious injury to a child or adult, and serious damage to the PDP Tuner.

⚠NOTES

Do not place an outside antenna in the vicinity of overhead power lines or other electric light or power circuits.

- This may cause an electric shock.

There should be enough distance between an outside antenna and power lines to keep the former from touching the latter even when the antenna falls.

- This may cause an electric shock.

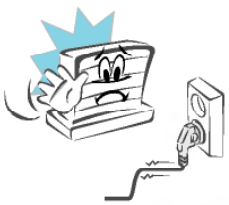
⚠NOTES

Do not pull the cord but the plug when unplugging.

- This may cause a fire.

Eusure the power cord doesn't trail across any hot objects like a heater.

- This may cause a fire or an electric shock.



Do not plug when the power cord or the plug is damaged or the connecting part of the power outlet is loose.

- This may cause a fire or an electric shock.

Safety Instructions

Using

⚠ WARNING

Do not placing anything containing liquid on top of the PDP Tuner.

- This may cause a fire or could give an electric shock.

Do not insert any object into the exhaust vent.

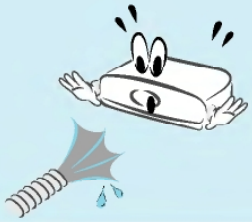
- This may cause a fire or could give an electric shock.

Cleaning

⚠ WARNING

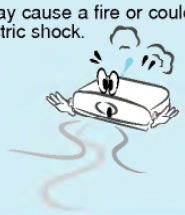
Do not use water the PDP Tuner while cleaning.

- This may cause damaged the PDP Tuner or could give an electric shock.



In case of smoke or strange smell from the PDP Tuner, switch it off ,unplug it from the wall outlet and contact your dealer or service center.

- This may cause a fire or could give an electric shock.



Others

⚠ WARNING

Do not attempt to service the PDP Tuner yourself. Contact your dealer or service center.

- This may cause damaged the PDP Tuner or could give an electric shock.

During a lightning thunder, unplug the PDP Tuner from the wall outlet and don't touch an antenna cable.

- This may cause damaged the PDP Tuner or could give an electric shock.

⚠WARNING in U.K. only

* This set is supplied with a BS 1363 approved 5 amp mains plug, fused at 5 amp. When replacing the fuse always use a 5 amp BS 1362, BSI or ASTA approved type. Never use this plug with the fuse cover omitted. To obtain a replacement fuse cover contact your dealer or "LG Electronics U.K. Ltd." If the type of plug supplied is not suitable for the mains sockets in your home, then the plug should be removed and a suitable type fitted.
A mains plug removed from the mains lead of this set must be destroyed. A mains plug with bared wires is hazardous if inserted in a mains socket. Do not connect either wire to the earth pin, marked with the letter E or with the earth symbol ⏚ or coloured green or green and yellow. If any other plug is fitted, use a 5 amp fuse, either in the plug, or at the distribution board.
The wires in this mains lead are coloured in accordance with the following codes: **BLUE: NEUTRAL, BROWN: LIVE**
As the colours of the wires in the mains lead of this set may not correspond with the coloured marking identifying the terminals in your plug, proceed as follows: The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

⚠WARNING

Do not place heavy objects on the PDP Tuner.

- This may cause serious injury to a child or adult.

Dispose of used batteries carefully to protect a child from eating them.

- In case that it eats them, take it to see a doctor immediately.

⚠NOTES

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners.

- This may cause damaged the PDP Tuner or could give an electric shock.

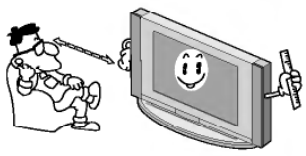
Contact the service center once a year to clean the internal part of the PDP Tuner.

- Accumulated dust can cause mechanical failure.

⚠NOTES

The distance between eyes and the screen should be about 5 ~ 7 times as long as diagonal length of the screen.

- If not, eyes will strain.

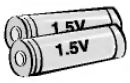


Unplug the PDP Tuner from the wall outlet when it is left unattended and unused for long periods of time.

- Accumulated dust may cause a fire or an electric shock from deterioration or electric leakage.

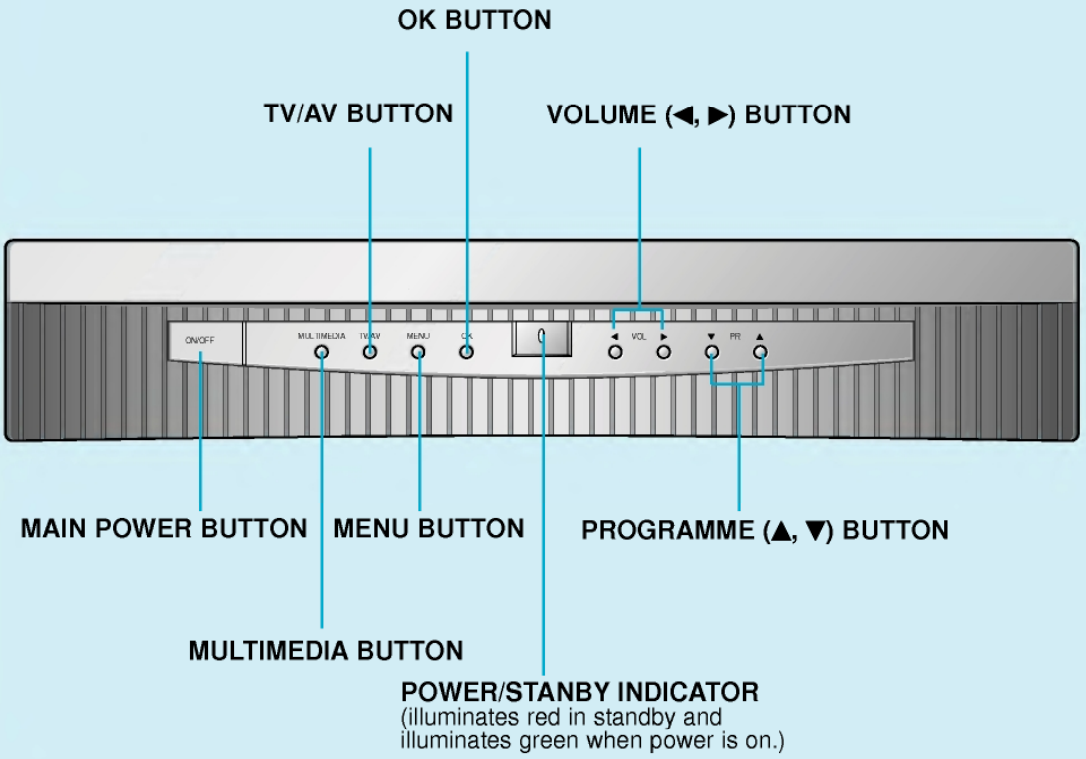
Only use the specified batteries.

- This make cause damaged the remote control or could give an electric shock.

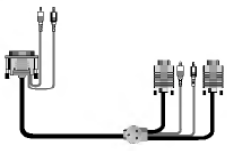


Controls of the PDP Tuner

<Front Panel>



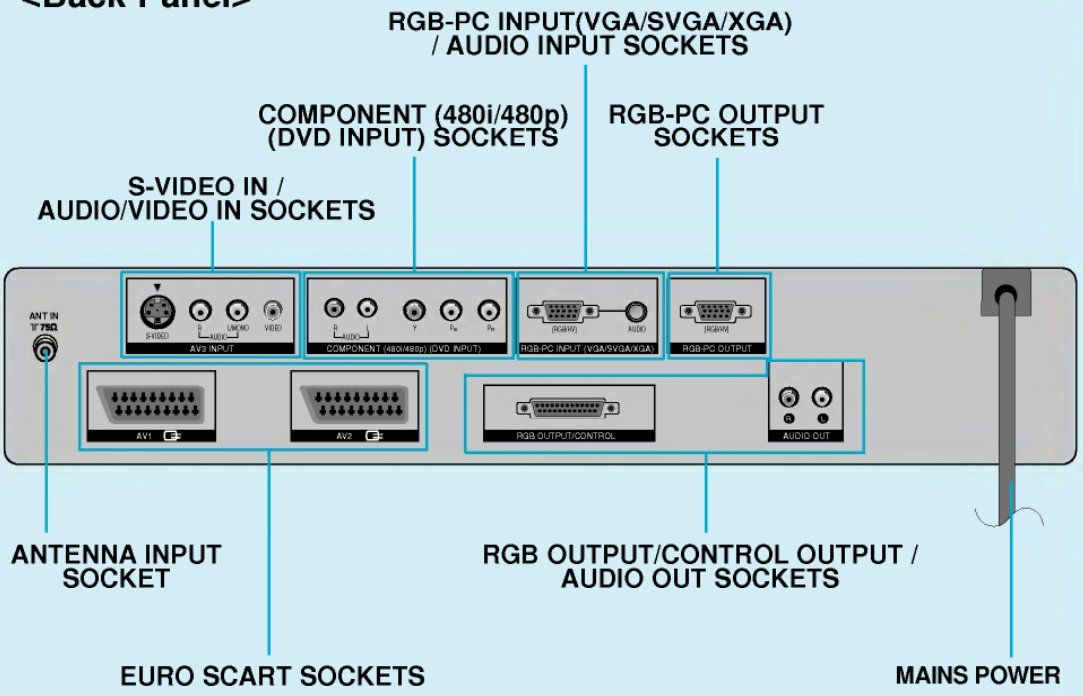
Accessories



Control cable (25-15/9 pin)

Owner's Manual

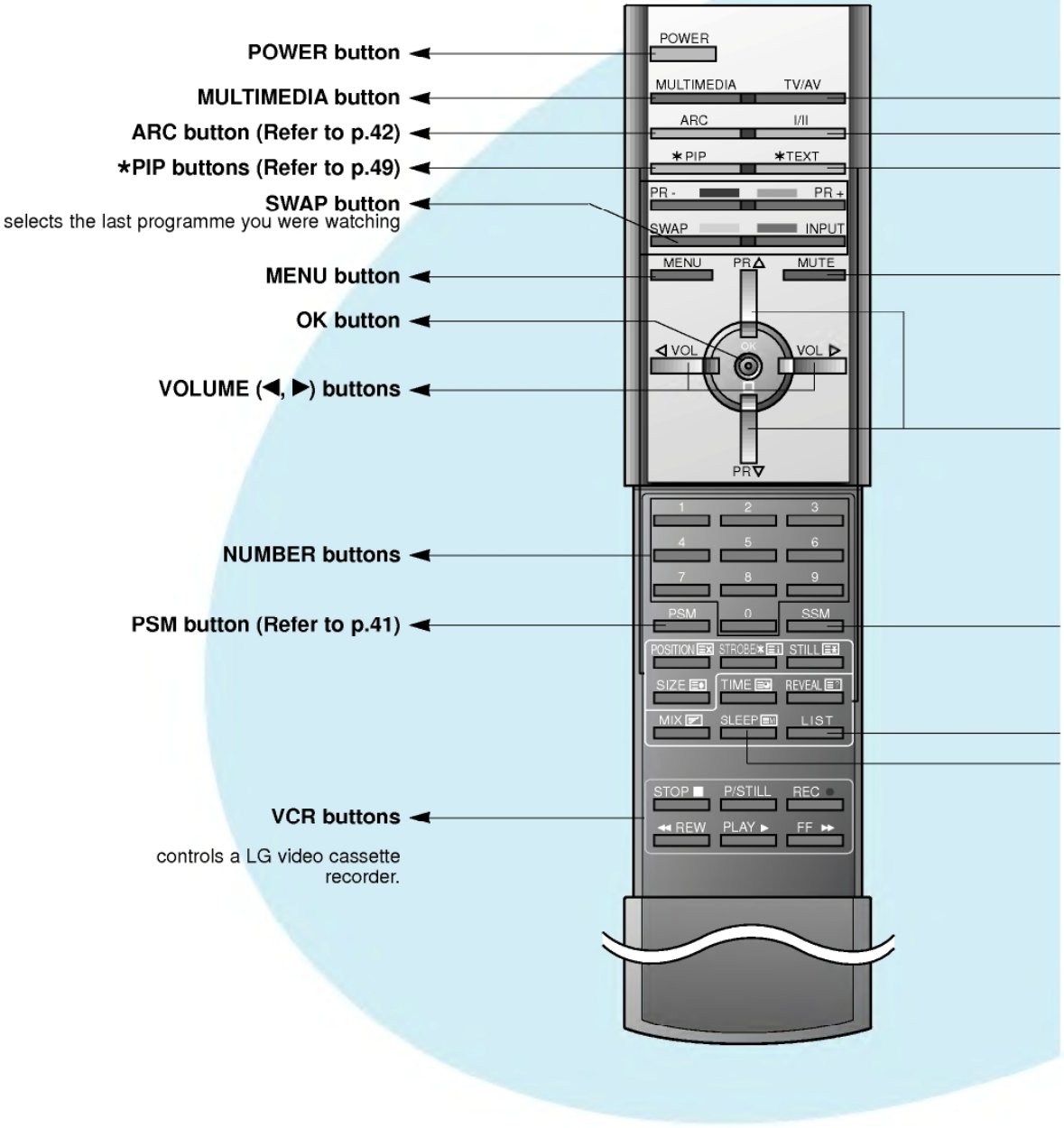
<Back Panel>



This PDP Tuner operates on an AC mains supply.
Never apply DC power to the PDP Tuner.

Controls of the remote control

- When using the remote control aim it at the remote control sensor of the Plasma Display.
- This remote control is the one offered when purchasing an LG plasma display monitor.



→ **TV/AV button**

→ **I/II button (Refer to p.44-45)**

→ ***TEXT buttons (Refer to p.50-52)**

→ **MUTE button**
switches the sound on or off.

→ **PROGRAMME (▼, ▲) buttons**

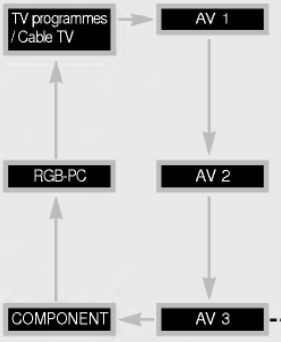
→ **SSM button (Refer to p.43)**

→ **LIST button (Refer to p.40)**

→ **SLEEP button (Refer to p.48)**

TV/AV button on the remote control

Each press of this button changes the mode as below.



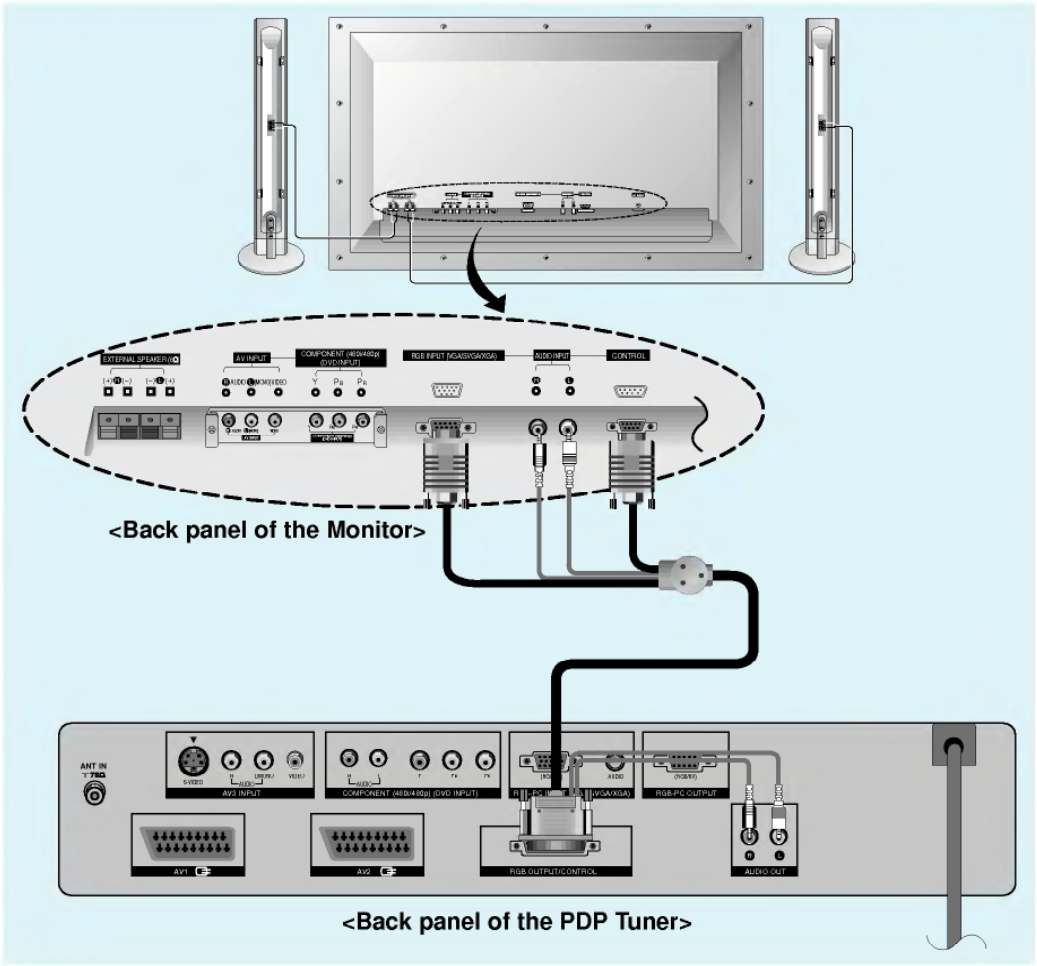
→ **If both S-VIDEO and VIDEO input have been connected simultaneously, only the S-VIDEO can be received.**

MULTIMEDIA button on the remote control

Each press of this button changes the mode as below.

Composition of the Plasma Display

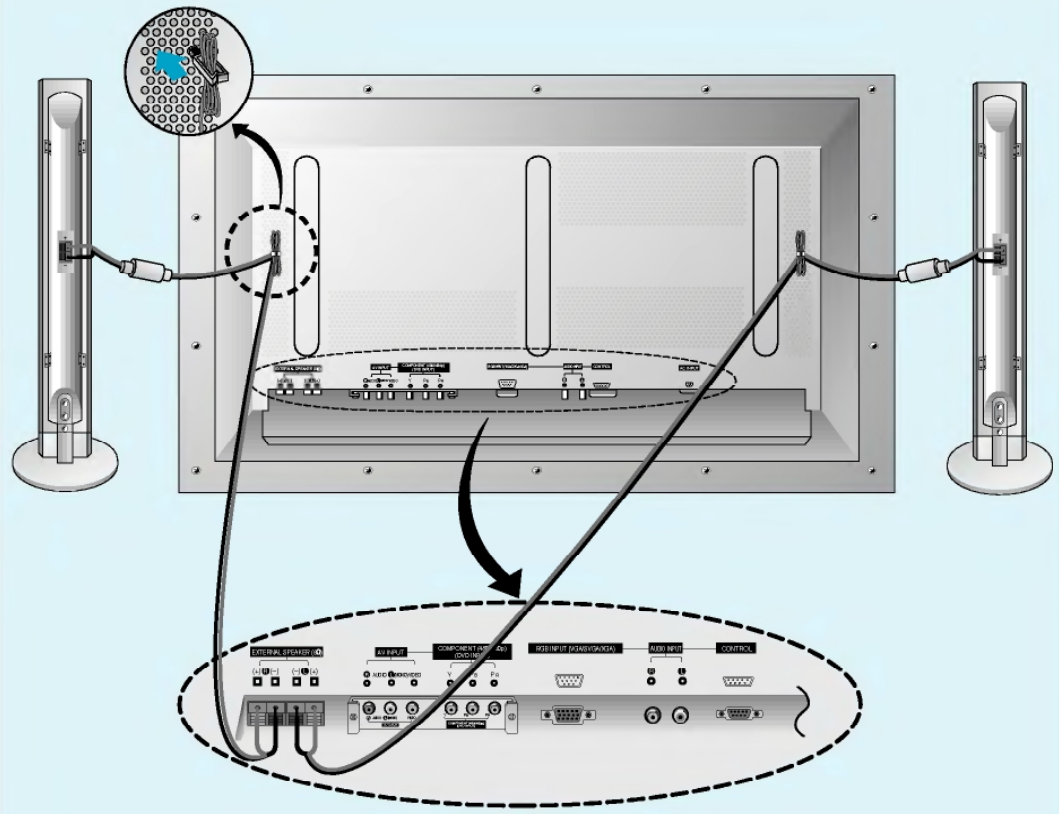
- **If the Monitor is connected with the PDP Tuner and the latter is switched on, the connecting ports of the Monitor doesn't operate.**



How to use

- Connect the Monitor with the PDP Tuner by using the control cable (25-15/9 pin).
- Connect the Speaker cable with matching the polarity.
- Connect the power cord.

How to connect Speakers and Monitor



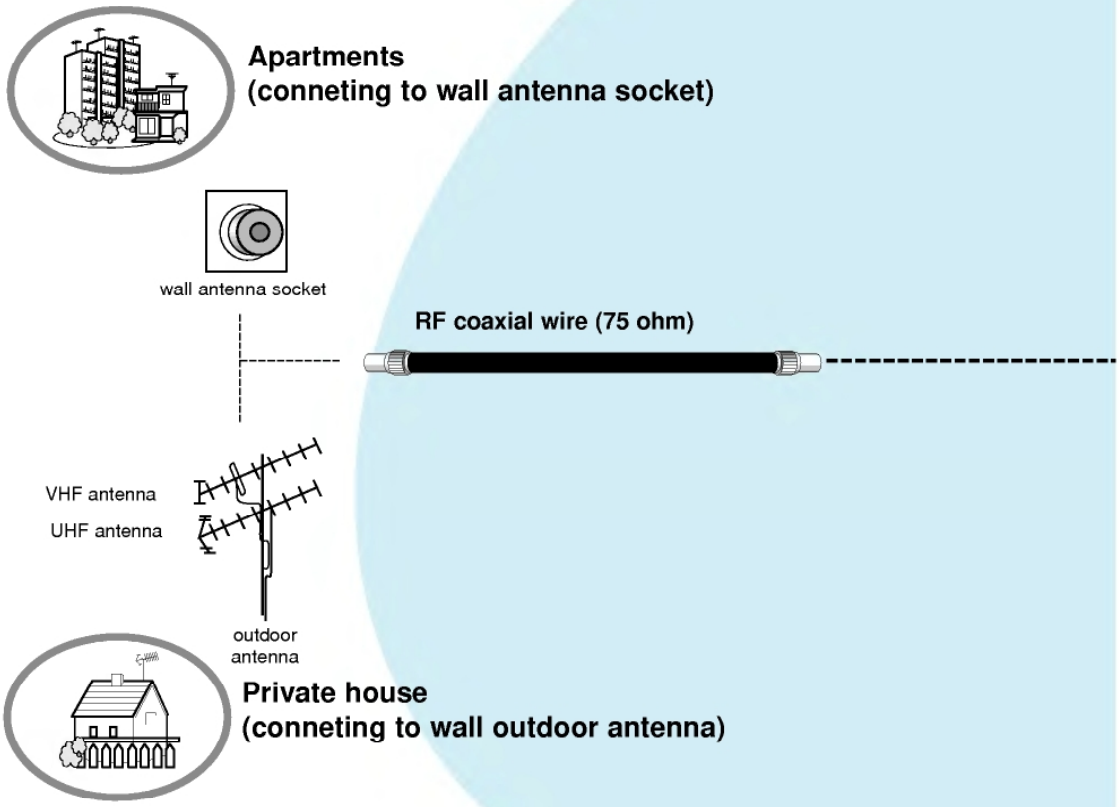
<Back panel of the Monitor>

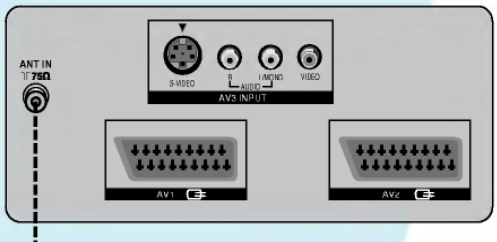
How to connect

- Switch the Monitor off first and connect the Speaker cables as the picture above. Be sure to match the polarity and left/right.
  (Speakers can also be assembled with the Monitor. For further information refer to 'Speaker & Speaker stand owner's manual.)
- After connecting the Speaker cables in the desired length you can arrange them with the supplied holders as the picture above. Fix the holders in the holes on the back panel of the Monitor in the ➡ arrow direction. Once the holders are fixed they can't be pulled out. Decide the position for holders carefully before fixing.

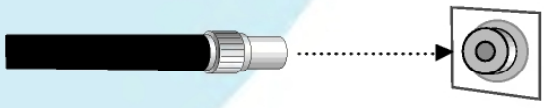
Connecting antenna

- Connect the Plasma Display with various external equipments after connecting the Monitor with the PDP Tuner and the Speakers.





Back panel of the PDP Tuner

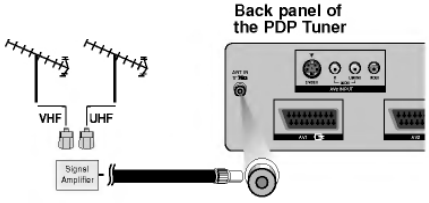


Be careful for the bronze wire not to be bended in connecting to antenna input port.

• RF coaxial cable is not included with the Plasma Display.

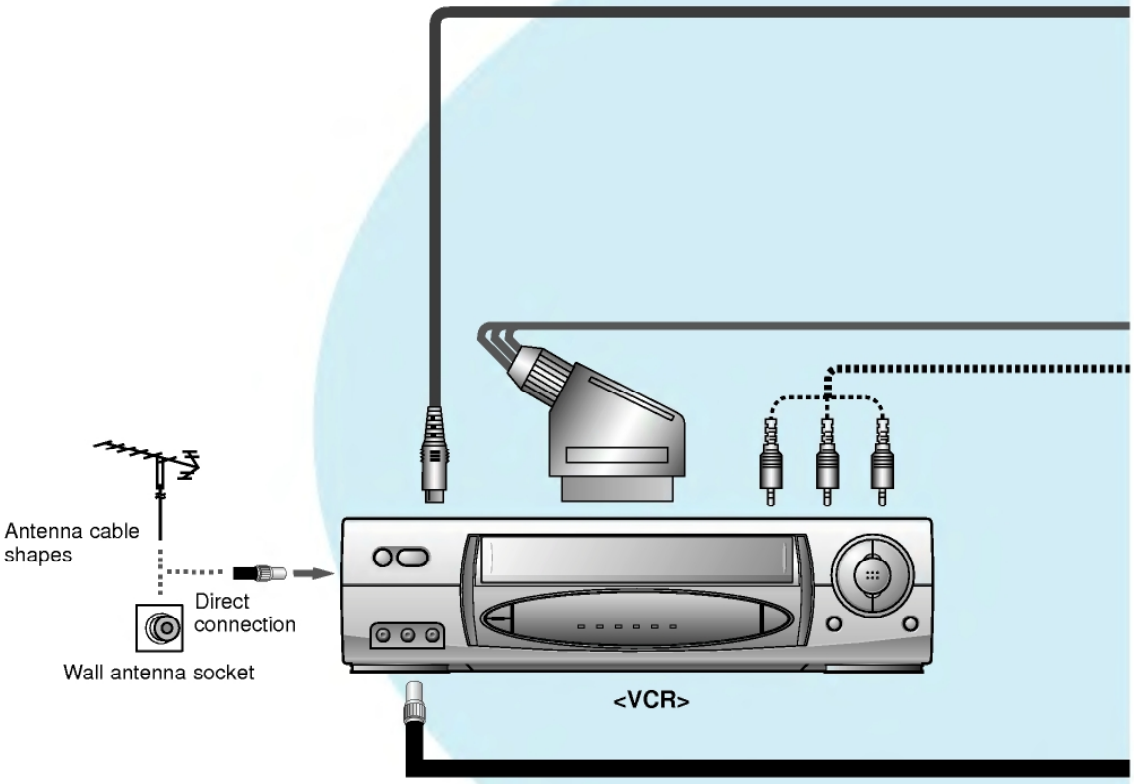
Tips

- In poor signal area, purchase a signal amplifer to get better picture quality.
- If antenna is split to two Plasma Display sets, use "signal splitter" for better connection.
- If antenna is installed properly, contact your dealer.



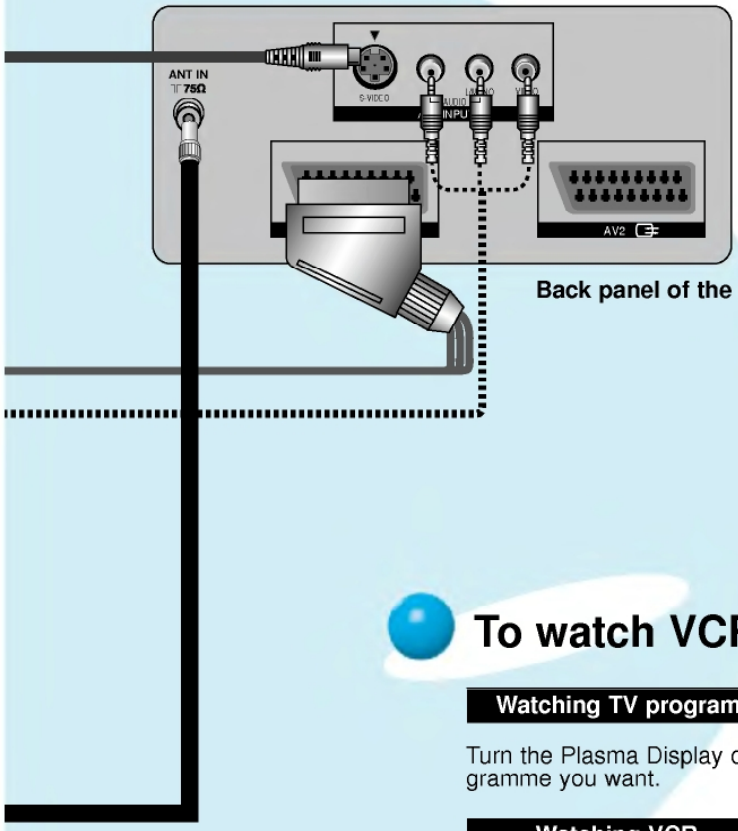
Watching VCR

- **When connecting the Plasma Display with external equipments, match the colours of connecting ports (Video - yellow, Audio(L) - white, Audio(R) - red).**
- **If you have a mono VCR, connect the audio cable from the VCR to the AUDIO(L/MONO) input of the Plasma Display.**
- **When connecting a S-VIDEO input, the picture quality will be far improved.**



Tips

- You can watch VCR only when the Plasma Display programme is matched with programme switch of VCR.
- Press the ▲ / ▼ buttons or number buttons to return to normal TV viewing.
- You can record programmes received through **ANT IN** using the Euro scart socket (**AV1**) of the PDP Tuner.
  You can also record signal received through **AV1**, **AV2** and **AV3** using the Euro scart socket (**AV2**) of the PDP Tuner.



Back panel of the PDP Tuner

To watch VCR

Watching TV programmes

Turn the Plasma Display on and select the programme you want.

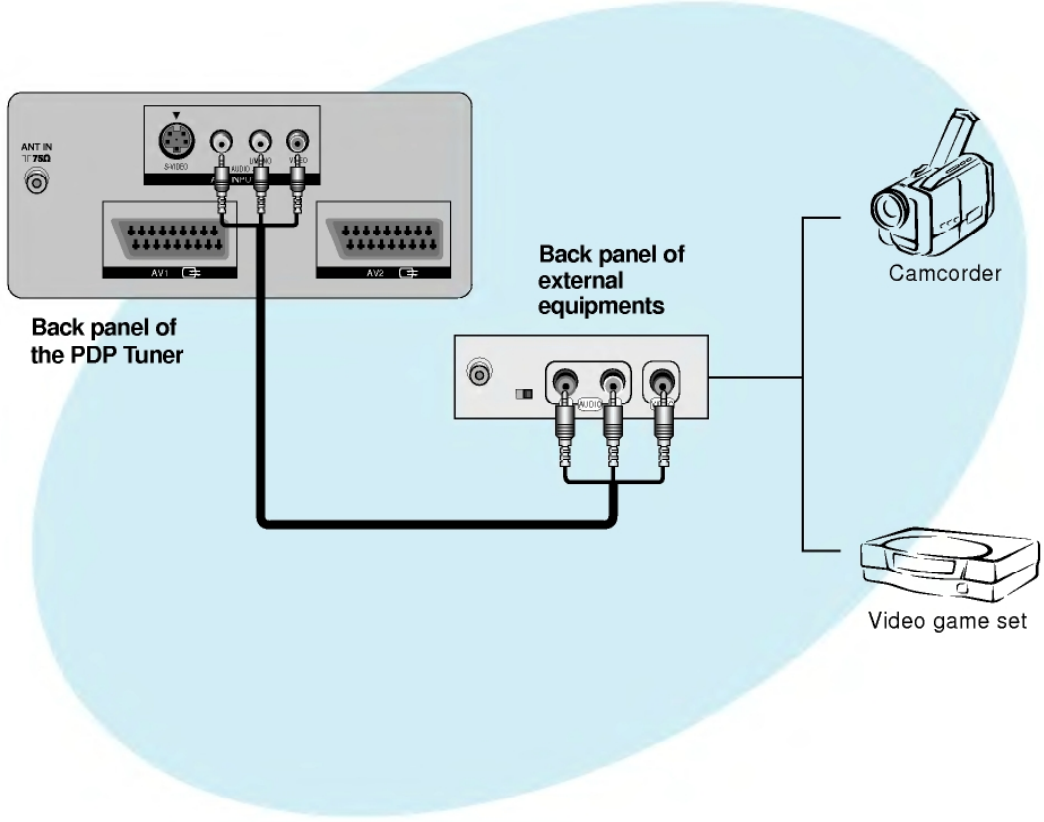
Watching VCR

1 Press **TV/AV** button on the remote control to select **AV 1**, **AV 2** or **AV 3** (only for S-VIDEO). (Select **AV 3** if AV 3 is connected. If both S-VIDEO and VIDEO sockets have been connected to the S-VHS VCR simultaneously, only the S-VIDEO can be received.)

2 Insert a video tape into the VCR and press the **PLAY** button on the VCR.

Watching external AV source

- **When connecting the Plasma Display with external equipments, match the colours of connecting ports.**



How to use

1 Press **TV/AV** button on the remote control to select **AV 3**.

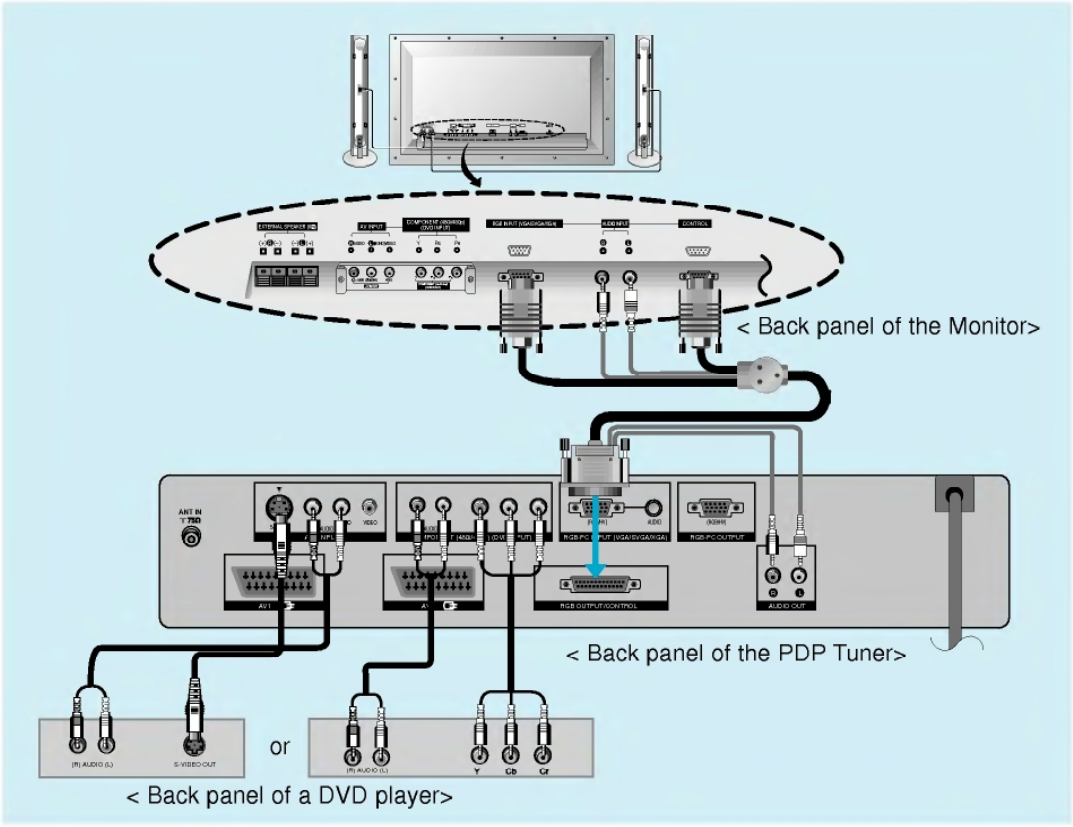
2 Operate the corresponding external equipments.

Watching DVD

- **In case of connecting the Monitor with a DVD player directly, you should disconnect the PDP Tuner or switch the PDP Tuner off.**

How to connect

- COMPONENT input is set as 480i or 480p mode.
- Connect component video inputs to Y, P_B, P_R and audio inputs to right and left Audio ports.



How to use

<On the remote control>

- Press **MULTIMEDIA** button on the remote control to select **COMPONENT**.
- Try this after turning on the DVD player.

- **Component Input ports**
  You can get better picture quality if you connect DVD player with component input ports as below.

Component ports of the Plasma Display	Y	P_B	P_R

Video output ports of DVD player .	Y Y Y	Pb B-Y Cb	Pr R-Y Cr

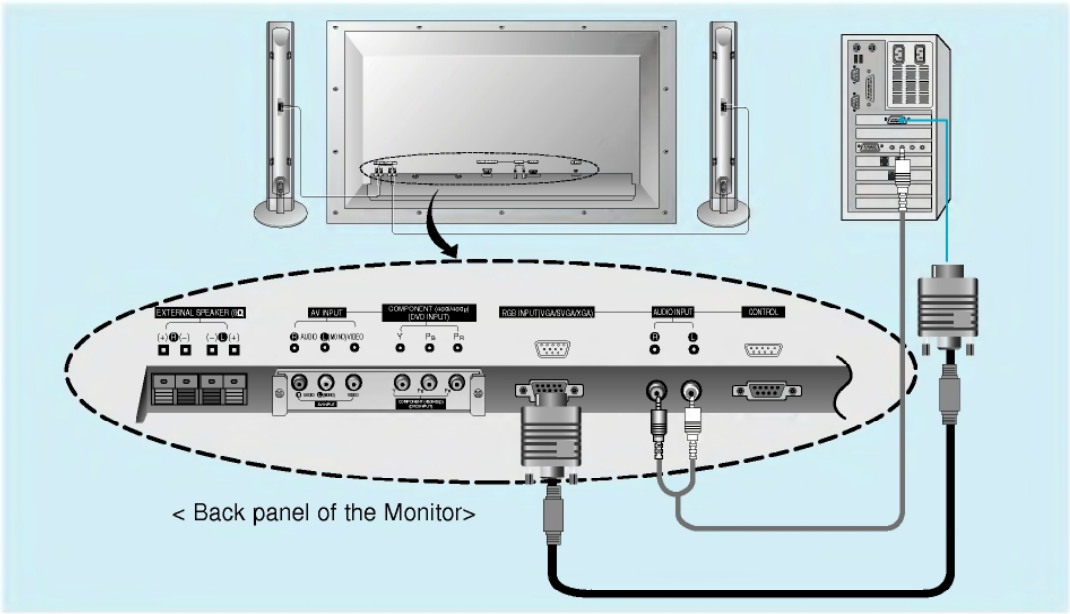
Connecting PC as a monitor

Connecting with PC dicectly

- **You should disconnect the Monitor from the PDP Tuner or switch the PDP Tuner off to use the Monitor as a PC monitor only.**

How to connect

- Set the video mode of PC to VGA/SVGA/XGA to obtain the best picture quality for the Monitor.
- If the resolution of PC is over XGA , there will be no picture on the Monitor.
- Connect the signal cable from the monitor output port of the PC to the RGB INPUT(VGA/SVGA/XGA) port of the Monitor.
- Connect the audio cable from the PC to the Audio ports of the Monitor. (Audio cables not included with the Plasma Display)
- **In case of using a sound card adjust PC sound properly.**

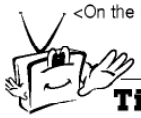


< Back panel of the Monitor>

How to use

<On the remote control>

- Press **POWER** button on the PC and press **ON/OFF** button on the Monitor. After this press ⏻/I button on the Monitor or press **POWER** button on the remote control.
- Press **MULTIMEDIA** button on the remote control to select **RGB-PC**.
- Set the resolution of PC under XGA (1024x768). (Refer to page 22.)



Tips

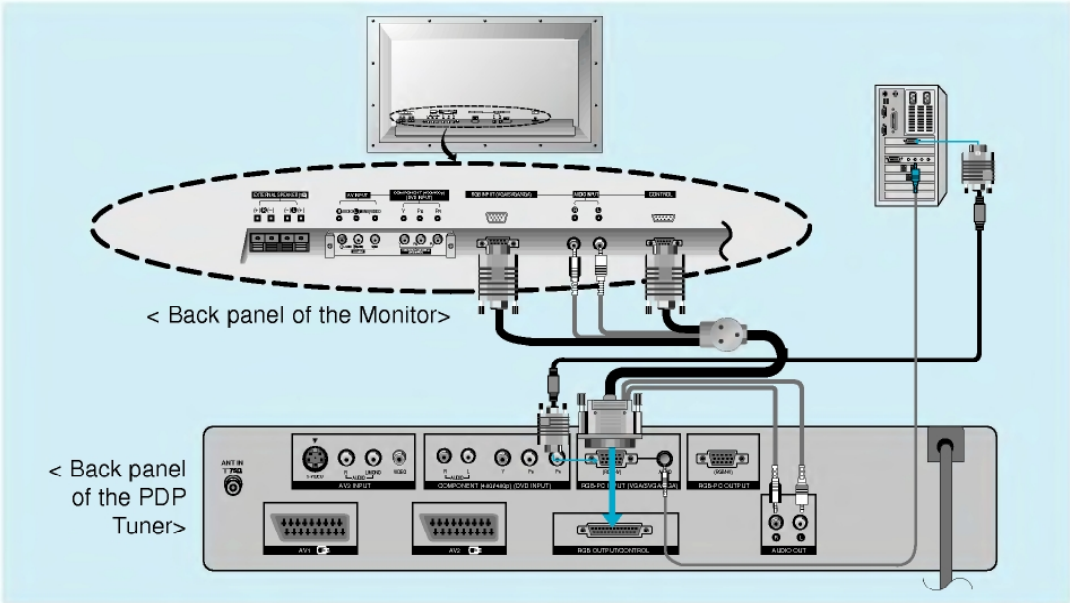
- If still picture is on the screen for a long period time, Screen Burn !
- If the resolution of PC is over XGA, connect to the RGB INPUT(VGA/SVGA/XGA) port of the Monitor after changing the resolution of PC under XGA.
- If picture isn't displayed properly by connecting a non-standard PC, contact your dealer for more information.

Connecting through the PDP Tuner

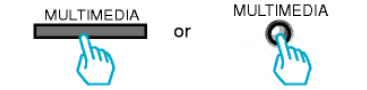
- **Press the ▲ / ▼ buttons or number buttons on the remote control, or the ▲ / ▼ on the PDP Tuner to return to normal TV viewing.**

How to connect

- Connect the signal cable from the monitor output port of the PC to the RGB-PC INPUT (VGA/SVGA/XGA) port of the PDP Tuner.
- Connect the audio cable from the PC to the Audio ports of the PDP Tuner. (Audio cables are not included with the Plasma Display)



How to use



<On the remote control> <On the PDP Tuner>

- Turn on the PC
- Turn on the Monitor and the PDP Tuner after connecting the former with the latter and the Speakers. (Refer to p.29)
- Press **MULTIMEDIA** button on the remote control or on the PDP Tuner to select **RGB-PC**.
- Set the resolution of PC under XGA (1024x768).

Connecting PC as a monitor

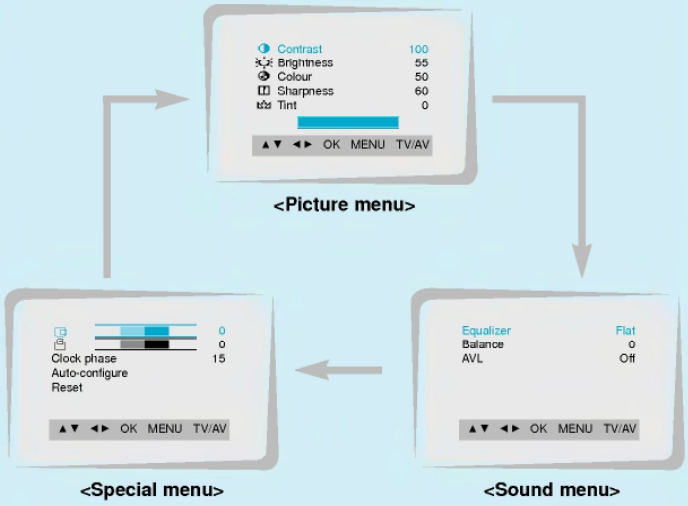
Displayable Monitor Specification

Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)
640x400	37.861	85.08
720x400	31.469	70.08
640x480 (VGA)	31.469	59.94
	35.000	66.66
	37.861	72.80
	37.500	75.00
	43.269	85.00
800x600 (SVGA)	35.156	56.25
	37.879	60.31
	48.077	72.18
	46.875	75.00
	53.674	85.06
832x624	49.725	74.55
1024x768 (Compressed XGA)	48.363	60.004
	56.476	70.069
	60.023	75.029

Function checking in PC mode

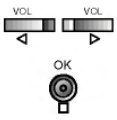
- Make sure to select **RGB-PC** before operating.

1 Repeatedly press the **MENU** button.



2 Press the ▲ / ▼ button to select a menu item.

- The selected menu item changes from white to purple.



3 Press the ◄ / ► button to change the setting of a menu item or **OK** button to display the sub menu.

- Press the **TV/AV** button to exit.

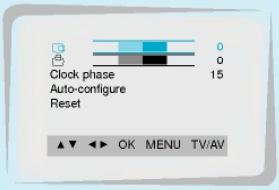
Adjusting in PC mode

- **Only adjust auto configure, horizontal / vertical position and clock phase in 16:9 picture format.**

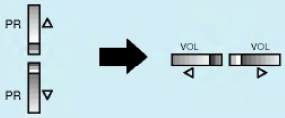
Auto configure

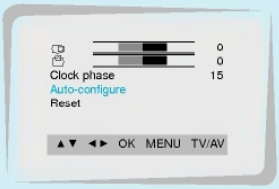
- **This function is for the automatic adjustment of the screen position and clock phase.**

1 Repeatedly press the **MENU** button to select the special menu.



2 Press the ▲ / ▼ button to select **Auto-configure** and then press the ◄ / ► button.



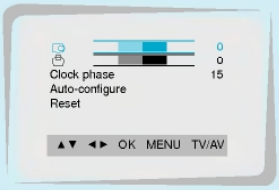


3 Press the **OK** button.

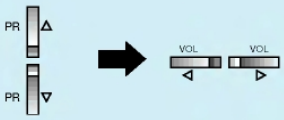
- If picture needs to be adjusted more after auto adjustment, adjust your Monitor's position and clock phase manually.

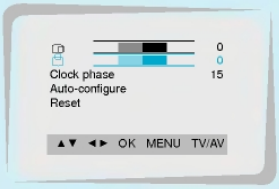
Adjusting horizontal / vertical postion

1 Repeatedly press the **MENU** button to select the special menu.



2 Press the ▲ / ▼ button to select or .





- Select for horizontal position adjustment.
- Select for vertical position adjustment.

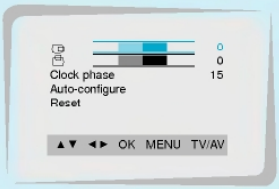
3 Press the ◄ / ► button to adjust until you get desired horizontal or vertical position and then press the **OK** button.

Adjusting in PC mode

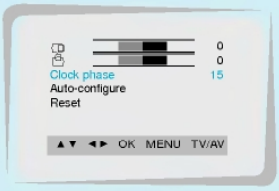
Adjusting clock phase

- In case that picture isn't clear after auto adjustment and especially that characters are trembling, adjust phase manually.

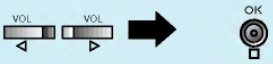
1 Repeatedly press the **MENU** button to select the special menu.



2 Press the ▲ / ▼ button to select **Clock phase**.



3 Press the ◄ / ► button to adjust phase and then press the **OK** button.

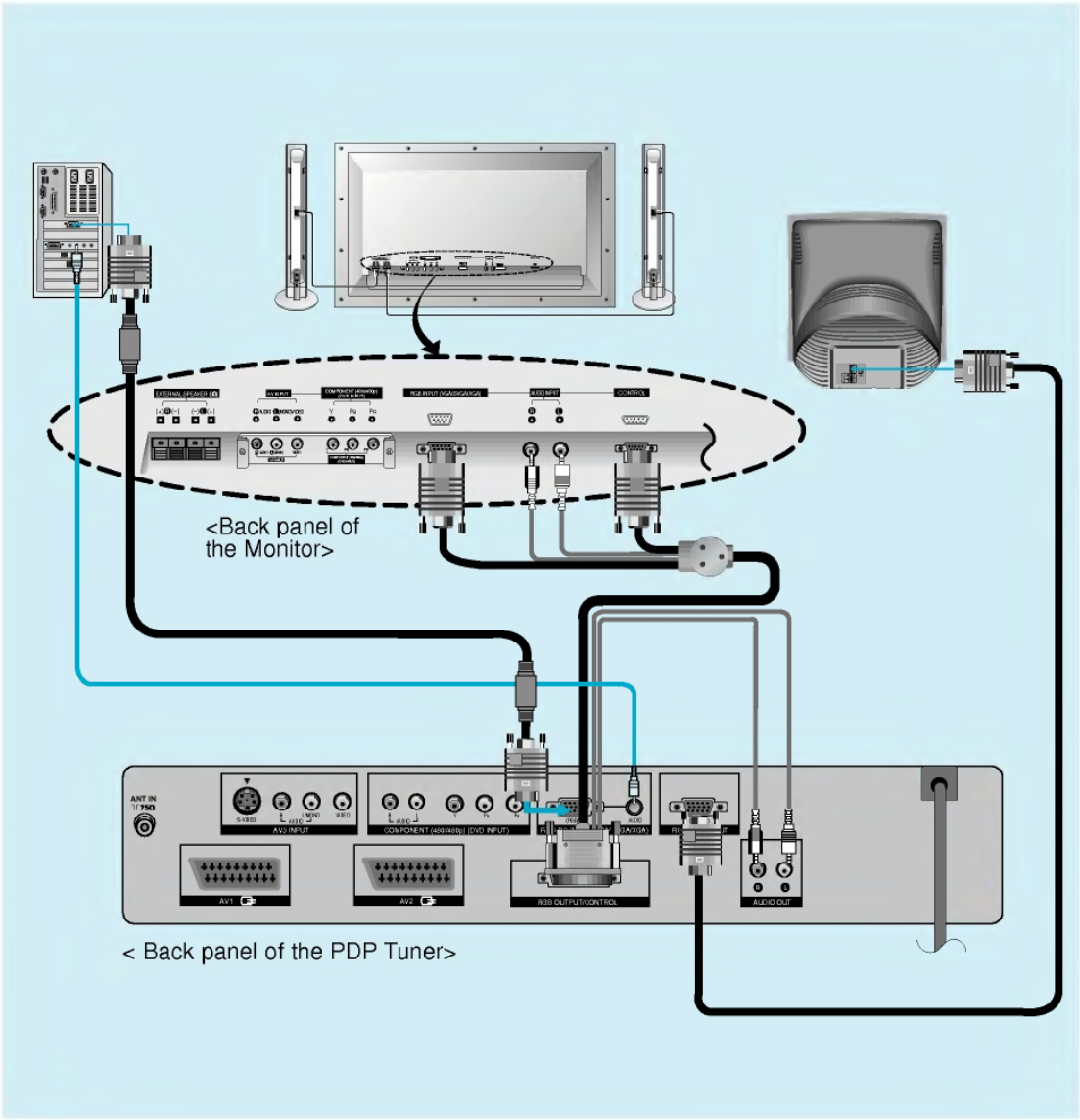


Initializing

- To initialize the adjusted value, select **Reset** with the ▲ / ▼ button and then press the ◄ / ► button.

Outputting PC signal

- You can watch the same picture as on the Monitor through a different monitor simultaneously. (RGB-PC signal is output.)



Using the remote control

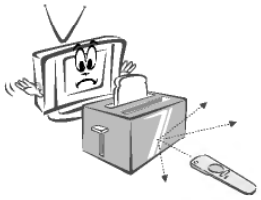
Inserting batteries

- Open the battery compartment cover on the back side and insert the batteries with correct polarity.
- Apply two 1.5V alkaline batteries of AAA type. Don't mix the used batteries with new batteries.

- Install the batteries with the correct polarities.

Notes for using the remote control

Make sure these are no objects between the remote control and its sensor.



Don't place the remote control near a heater or damp place. Strong impact on the remote control may cause operation failure.

Signal from the remote control may be disturbed by sun light or other strong light. In this case, turn the set to other direction.

Turning on the Plasma Display

- **When using the remote control, aim it at its sensor on the Monitor.**

Turning on the Plasma Display just after installation

1. Connect antenna cable and power cord correctly.

2. Press the **ON/OFF** button on the PDP Tuner and press the **ON/OFF** button on the Monitor. At this moment, the Plasma Display is switched to standby mode. Press the **PROGRAMME (▲ / ▼)**, **TV/AV**, **MULTIMEDIA** button on the PDP Tuner or on the remote control, or the **POWER** button on the remote control and the Plasma Display will be switched on.

Turning on the Plasma Display (power cord is still connected)

With the PDP Tuner on

1. **If the Plasma Display is turned off with the POWER button on the remote control or the ⏻/I button on the Monitor**
   - Press the ▲ / ▼, **TV/AV**, **MULTIMEDIA** button on the PDP Tuner or on the remote control, or press the **POWER** button on the remote control to turn on the Plasma Display.

2. **If the Plasma Display is turned off with the ON/OFF button on the Monitor**
   - Press the **ON/OFF** button on the Monitor to turn on the Plasma Display.

3. **If the Plasma Display is turned off with the remote control and also the ON/OFF button on the Monitor**
   - Press the **ON/OFF** button on the Monitor and then press the ▲ / ▼, **TV/AV**, **MULTIMEDIA** button on the PDP Tuner or on the remote control, or press the **POWER** button on the remote control to turn on the Plasma Display.

If the PDP Tuner is turned off

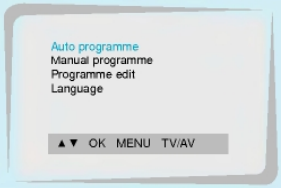
- Turn on the PDP Tuner with the **ON/OFF** button on PDP Tuner and turn on the Plasma Display with any of the three ways above.

Tips

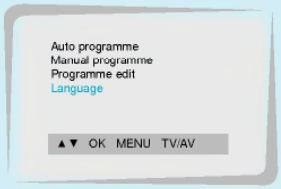
- **Selecting channels**
  Press the ▲ / ▼ or number buttons.
  In case of selecting programmes with number buttons, press one or two numbers.
  ex.) Programme 7 → 7 or 07
- **Adjusting volume level**
  Volume(▶) button increases the level of sound and volume(◀) button decreases the level of sound.

Selecting the on screen language

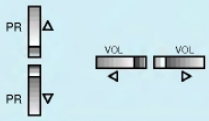
1 Repeatedly press the **MENU** button to select the station menu.



2 Press the ▲ / ▼ button to select **Language** and then press the **OK** button.



3 Press the ▲ / ▼ or ◄ / ► button to select the desired language.



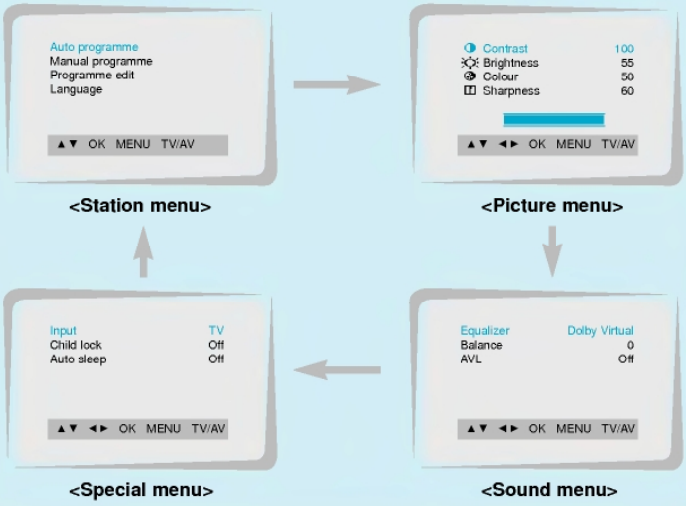
4 Press the **TV/AV** button to return to normal TV viewing.

Tips

- You can select your desired language only in TV mode.

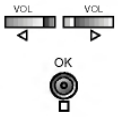
Function checking in TV mode

1 Repeatedly press the **MENU** button.



2 Press the ▲ / ▼ button to select a menu item.

- The selected menu item changes from white to purple.



3 Press the ◄ / ► button to change the setting of a menu item or **OK** button to display the sub menu.

- Press the **TV/AV** button to return to the normal TV viewing.

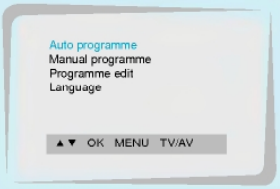
Tips

- In the AV and COMPONENT modes, the station menu is not displayed.
- In the teletext mode, menus are not displayed.

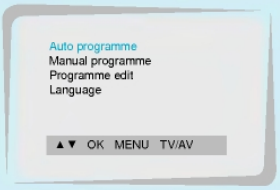
Auto programme tuning

- **All stations that can be received are stored by this method. It is recommended that you use auto programme during installation of this Plasma Display.**

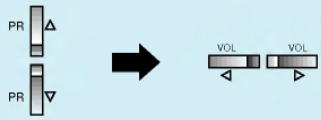
1 Repeatedly press the **MENU** button to select the station menu.



2 Press the ▲ / ▼ button to select **Auto programme** and then press the **OK** button.



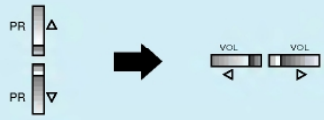
3 Press the ▲ / ▼ button to select **System**. Select a TV system with the ◄ / ► button.



- **L** : SECAM L/L' (France)
- **BG** : PAL B/G, SECAM B/G (Europe/East Europe)
- **I** : PAL I/II (U.K./Ireland)
- **DK** : PAL D/K, SECAM D/K (East Europe)

4

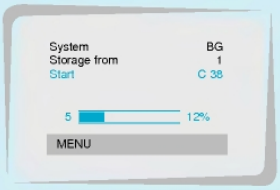
Press the ▲ / ▼ button to select **Storage from**.
Select the beginning programme number with the ◄ / ► button.



- You can also select the beginning number with the number buttons. Any number under 10 is entered with a numeric '**0**' in front of it, i.e. '**05**' for 5.

5

Press the ▲ / ▼ button to select **Start** and then press the **OK** button.



- All receivable stations are stored.
  To stop auto programming, press the **MENU** button.
  When auto programming is completed, the **Programme edit** menu appears on the screen. See the 'Programme edit' section to edit the stored programme.

6

Press the **TV/AV** button to return to normal TV viewing.

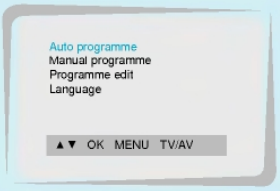
Tips

- If the programmed station has poor quality sound, select the system again in the **Manual programme** menu.

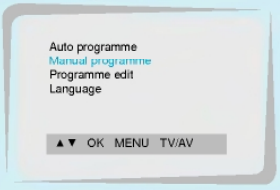
Manual programme tuning

- **Manual programme lets you manually tune and arrange the stations in whatever order you desire. Also you can assign a station name with five characters to each programme number.**

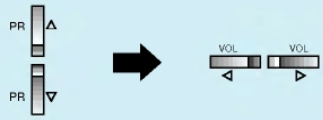
1 Repeatedly press the **MENU** button to select the station menu.

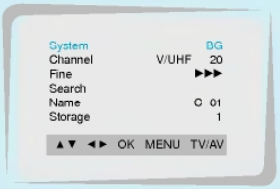


2 Press the ▲ / ▼ button to select **Manual programme** and then press the **OK** button.



3 Press the ▲ / ▼ button to select **System**. Select a TV system with the ◄ / ► button.

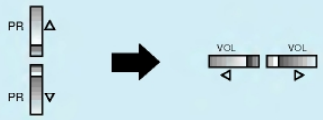


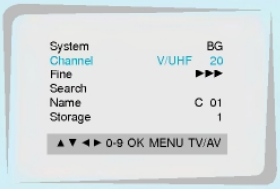


- **L** : SECAM L/L' (France)
- **BG** : PAL B/G, SECAM B/G (Europe/East Europe)
- **I** : PAL I/II (U.K./Ireland)
- **DK** : PAL D/K, SECAM D/K (East Europe)

4

Press the ▲ / ▼ button to select **Channel**. Press the ◄ / ► button to select **V/UHF** or **Cable** as required.

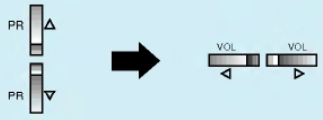


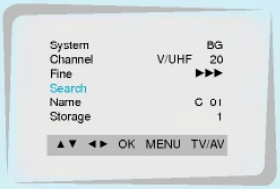


- If possible, select the programme number (1 to 69) directly with the number buttons. Any number under 10 is entered with a numeric '**0**' in front of it, i.e. '**05**' for 5.

5

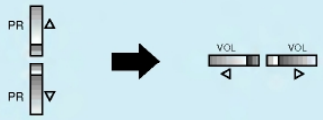
Press the ▲ / ▼ button to select **Search**. Press the ◄ / ► button to commence searching. If a station is found the search will stop.

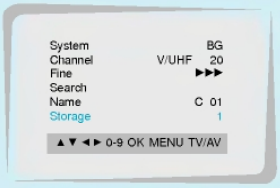




6

If this station is the one required, press the ▲ / ▼ button to select **Storage**. Select the desired programme number (0 to 99) with the ◄ / ► button.

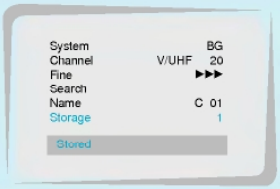




- You can also select the programme number with the number buttons. Any number under 10 is entered with a numeric '**0**' in front of it, i.e. '**05**' for 5.

7

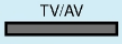
Press the **OK** button to store it.



8

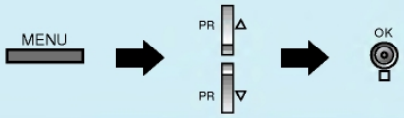
Press the **TV/AV** button to return to normal TV viewing.

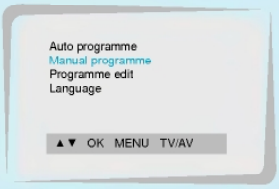
- To store another station, repeat steps 3 to 7.



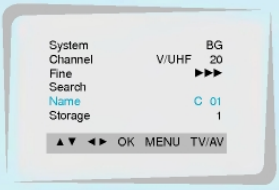
Assigning a station name

1 Repeat the ‘Manual programme tuning’ steps 1 to 2. (Refer to page 34)



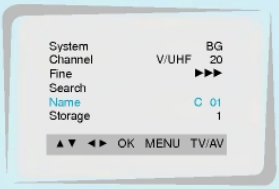


2 Press the ▲ / ▼ button to select **Name**.

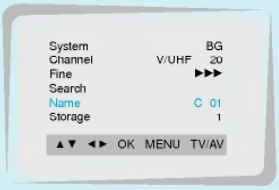


3 Press the ▶ button. You can use a blank, +, -, the numeric **0** to **9** and the alphabet **A** to **Z**.

• With the ◄ button you can select in the opposite direction.



4 Select the next position by pressing the **OK** button and then take your choice of the second character, and so on.

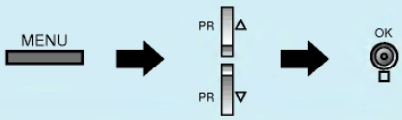


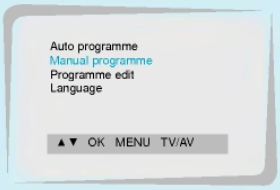
5 Repeat the ‘Manual programme tuning’ steps 6 to 8. (Refer to page 35)

Fine tuning

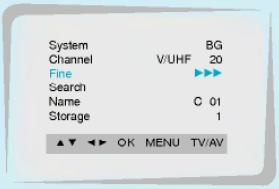
- **Normally fine tuning is only necessary if reception is poor.**

1 Repeat the 'Manual programme tuning' steps 1 to 2. (Refer to page 34)

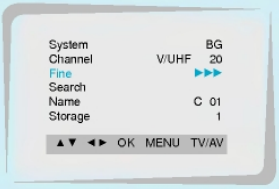




2 Press the ▲ / ▼ button to select **Fine**.



3 Press the ◀ / ▶ button to fine tune for the best picture and sound.



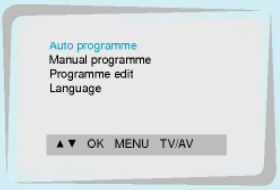
4 Repeat the 'Manual programme tuning' steps 6 to 8. (Refer to page 35)

- The finely tuned programme will be indicated by yellow number during programme selection.

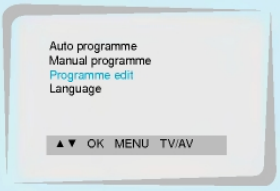
Programme edit

- **This function enables you to delete or skip the stored programmes. Also yo can move some stations to other programme numbers or insert a blank station data into the selected programme number.**

1 Repeatedly press the **MENU** butto to select the station menu.

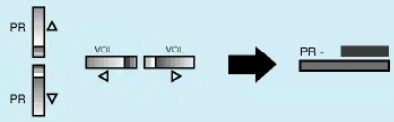


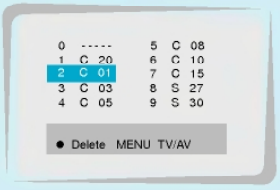
2 Press the ▲ / ▼ button to select **Programme edit** and then press the **OK** button.



Deleting a programme

3 1. Select a programme to be deleted with the ▲ / ▼ or ◄ / ► button.
2. Press the RED button twice.
The selected programme is deleted, all the following programmes are shifted up one position.

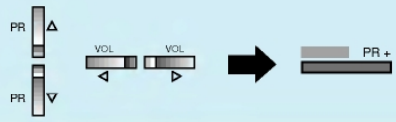




Copying a programme

3

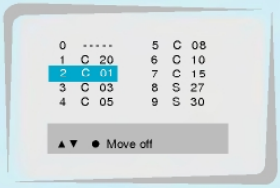
1. Select a programme to be copied with the ▲ / ▼ or ◄ / ► button.
2. Press the GREEN button.
   All the following programmes are shifted down one position.

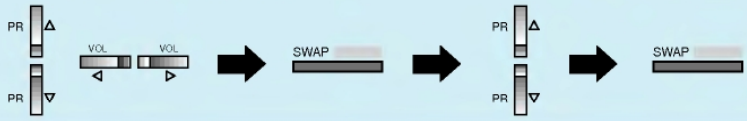


Moving a programme

3

1. Select a programme to be moved with the ▲ / ▼ or ◄ / ► button.
2. Press the YELLOW button.
3. Move the programme to the desired programme number with the ▲ / ▼ button.
4. Press the YELLOW button again to release this function.

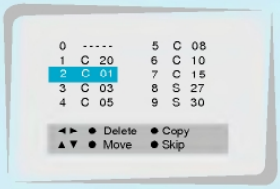


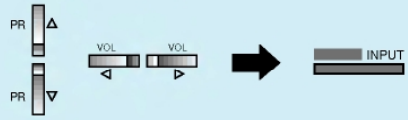


Skipping a programme number

3

1. Select a programme to be skipped with the ▲ / ▼ or ◄ / ► button.
2. Press the BLUE button. The skipped programme turns to blue.
3. Press the BLUE button again to release the skipped programme.

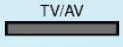




- When a programme number is skipped it means that you will be unable to select it using the ▲ / ▼ button during normal TV viewing. If you want to select the skipped programme, directly enter the programme number with the NUMBER buttons or select it in the programme edit or table menu.

4

Press the **TV/AV** button to return to normal TV viewing.



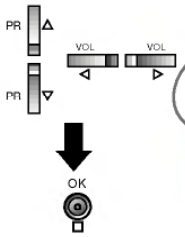
Calling the programme table

- **You can check the programme stored in the memory by displaying the programme table.**

1 Press the **LIST** button to display the programme table menu. One programme table contains ten programmes as below.

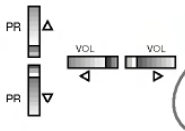
- You may find some blue programmes. They have been set up to be skipped by auto programming or in the programme edit mode.
- Some programmes with the channel number shown in the programme table indicate there is no station name assigned.

Selecting a programme in the programme table



2 Select a programme with the ▲ / ▼ or ◄ / ► button.
Then press the **OK** button.
The Plasma Display switches to the chosen programme number.

Paging through a programme table



2 There are 10 programme table pages in which contain 100 programmes.
Pressing the ▲ / ▼ or ◄ / ► button repeatedly turns the pages.

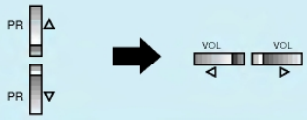
3 Press the **TV/AV** button to return to normal TV viewing.

Picture adjustment

- **You can adjust picture contrast, brightness, colour intensity, sharpness and tint (COMPONENT, RGB-PC mode or NTSC input only) to the levels you prefer.**

1 Repeatedly press the **MENU** button to select the picture menu.

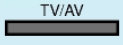
2 Press the ▲ / ▼ button to select the desired picture item and then press the ◄ / ► button to make appropriate adjustments.



3 Press the **OK** button to store it for the picture **User**.

- To recall your preferred setting, press the **PSM** button until the desired picture (**Dynamic**, **Standard**, **Mild** or **User**) appears. The picture **Dynamic**, **Standard** and **Mild** are programmed for good picture reproduction at the factory and cannot be changed.

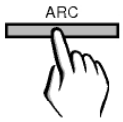
4 Press the **TV/AV** button to return to normal TV viewing.



Picture format

- **You can watch Plasma Display in various picture formats; 16:9 (Wide), 4:3 (Standard), Zoom 1 or Zoom 2.**

ARC (Aspect Ratio Control)



Repeatedly press the **ARC** button to select your desired picture format.

- **16:9**
  You can enjoy the cinema (the picture format of 16:9) or general Plasma Display programme through the 16:9 mode.
  The screen 16:9 is viewed just like that but the screen 4:3 is magnified to the left and right so that the screen 16:9 is full.
- **4:3**
  This picture format is 4 to 3 of general Plasma Display.
- **Zoom 1**
  You can enjoy the cinema in a vast screen through the Zoom mode. The screen 4:3 is magnified to the upper/lower sides so that the screen 16:9 is full. The bottom and top of the picture may be lost.
  You can move the screen up/down with ▲ / ▼ button.
- **Zoom 2**
  You can enjoy a larger magnified screen in this mode. The screen Zoom 2 is viewed just like that but the screen 16:9 is magnified more and more to the left and right so that the screen Zoom 2 is full.
- **Zoom**
  Only when receiving over SVGA (800X600), you can select Zoom.
  You can move the screen up/down or left/right with ▲ / ▼ or ◄ / ► button.

Tips

- When you switch the Plasma Display to standby or off, the picture format is reset to the **16:9**.
- In COMPONENT and RGB-PC VGA mode, this function only the **16:9** and the **4:3** works.
- Only when receiving RGB-PC signal (over 800 x 600) in RGB-PC mode, you can select **Zoom**.

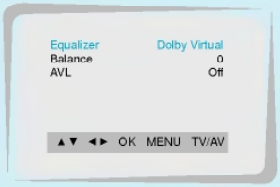
Sound adjustment

Manufactured under license from Dolby Laboratories. "Dolby" "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

- **You can select your preferred sound setting; Dolby Virtual, Flat, Music, Movie or Speech and you can also adjust the sound frequency of equalizer and balance. If you switch AVL to on, the set will automatically keeps on an equal volume level even if you change programmes. The optional woofer sound stresses and emphasizes bass.**

1 Repeatedly press the **MENU** button to select the sound menu.

MENU

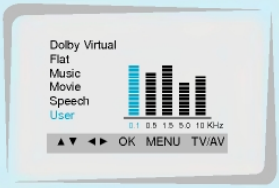


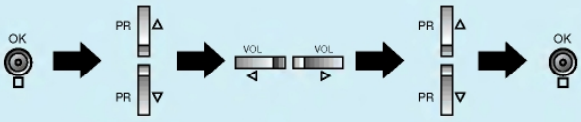
2 Press the ▲ / ▼ button to select the desired sound item and then press the ◄ / ► button to make desired adjustments.

Equalizer

2 Press the **OK** button in **Equalizer** to set the **Equalizer User**.

a. Select **User** by pressing the ▲ / ▼ button.
b. Select a sound band by pressing the ◄ / ► button.
c. Make appropriate sound level with the ▲ / ▼ button.
d. Press the **OK** button to store it for the sound **User**.





- To recall your preferred setting, press the **SSM** button until the desired sound (**Dolby Virtual**, **Flat**, **Music**, **Movie**, **Speech** or **User**) appears. The sound **Dolby Virtual**, **Flat**, **Music**, **Movie** and **Speech** are programmed for good sound reproduction at the factory and cannot be changed.

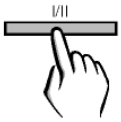
3 Press the **TV/AV** button to return to normal TV viewing.

TV/AV

Enjoying Stereo / Dual

- **When a programme is selected, the sound information for the station appears after the programme number and station name disappear.**

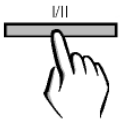
On Screen Display



Press the **I/II** button to received broadcast state.

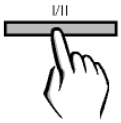
Broadcast	On screen Display
Mono	**MONO**
Stereo	**STEREO**
Dual	**DUAL I**

Mono sound selection



In stereo reception if the stereo signal is weak, you can switch to mono by pressing the **I/II** button twice. In mono reception the depth of sound is improved. To switch back to stereo, press the **I/II** button twice again.

Language selection for dual language broadcast

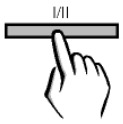


If a programme received in two languages (dual language), you can switch to **DUAL I**, **DUAL II** or **DUAL I II** by pressing the **I/II** button repeatedly.

- **DUAL I** sends the primary broadcast language to the loudspeakers.
- **DUAL II** sends the secondary broadcast language to the loudspeakers.
- **DUAL I II** sends a separate language to each loudspeaker.

NICAM reception

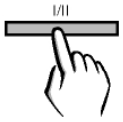
- **If your Plasma Display is equipped with the PDP Tuner for NICAM reception, the high quality NICAM (Near Instantaneous Companding Audio Multiplex) digital sound can be received.**



Sound output can be selected according to the type of received broadcast as follows by pressing the **I/II** button repeatedly.

- When NICAM mono is received, you can select **NICAM MONO** or FM MONO.
- When NICAM stereo is received, you can select **NICAM STEREO** or FM MONO. If the stereo signal is weak, switch to FM mono.
- When NICAM dual is received, you can select **NICAM DUAL 1**, **NICAM DUAL 11**, **NICAM DUAL 1 11**, or **MONO**. When FM mono is selected the display **MONO** appears on the screen.

Sound output selection in AV mode



In AV mode, you can select output sound for the left and right loudspeakers.

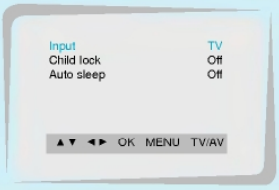
Repeatedly press the **I/II** button to select the sound output.

- **L+R :** Audio signal from audio L input is sent to left loud-speaker and audio signal from audio R input is sent to right loud-speaker.
- **L+L :** Audio signal from audio L input is sent to left and right loud-speakers.
- **R+R :** Audio signal from audio R input is sent to left and right loud-speakers.

Child lock

- **The Plasma Display can be set so that the remote control is needed to control it. This feature can be used to prevent unauthorized viewing.**

1 Repeatedly press the **MENU** button to select the special menu.



2 Press the ▲ / ▼ button to select **Child lock**.

3 Press the ◄ / ► button to select **On**.

- With the lock on, the display **Child lock on** appears on the screen if any button on the Monitor or on the PDP Tuner is pressed while viewing the Plasma Display.

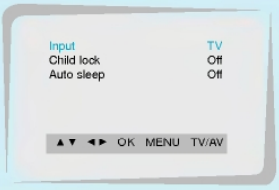
4 Press the **TV/AV** button to return to normal TV viewing.

Auto sleep

- If you select **Auto sleep On**, the Plasma Display will automatically switch itself to standby mode approximately ten minutes after a TV station stops broadcasting or no input signal.

1 Repeatedly press the **MENU** button to select the special menu.

MENU



2 Press the ▲ / ▼ button to select **Auto sleep**.

PR

PR

3 Press the ◄ / ► button to select **On**.

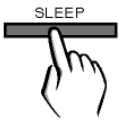
VOL VOL

4 Press the **TV/AV** button to return to normal TV viewing.

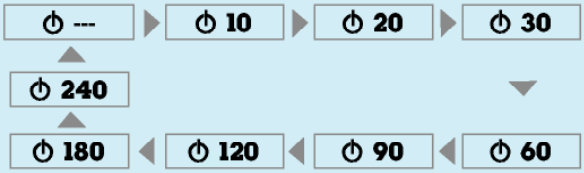
TV/AV

Sleep timer

- **You don't have to remember to switch the Plasma Display off before you go to sleep. The sleep timer automatically switches the Plasma Display to standby after the preset time elapses**



Press the **SLEEP** button to set sleep time.
Each time you press this button setting time is changed as below.



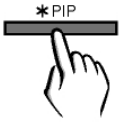
- To release sleep time setting, press the **SLEEP** button repeatedly to select ---.

Tips

- To view the remaining sleep time, press the **SLEEP** button once.
- When you switch the Plasma Display off, the Plasma Display releases the preset sleep time.

PIP operation (option)

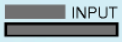
- **PIP (Picture in Picture) is an optional function.**
  PIP displays a picture within a picture in the TV and AV modes.



Press the ***PIP** button to switch on the sub picture.

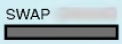
Press the ***PIP** button again to switch it off.

Adjusting PIP mode

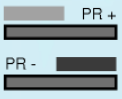


- **Input mode selection for sub picture**
  Press the **INPUT** button to select the input mode for the sub picture.
  Each time this button is pressed, each input mode for the sub picture is displayed as below.

TV → AV1 → AV2 → AV3 → TV



- **Swapping between main and sub pictures**
  Press the **SWAP** button to exchange the main and sub picture.



- **Programme selection for sub picture**
  Press the **PR+/-** button to select a programme for the sub picture.
  The sub picture programme selection is available only when the main picture is AV mode and at the same time the sub picture is TV mode.

- **Sub picture size**
  Repeatedly press the **SIZE** button to select the desired sub picture size.
  The sub picture appears as below.

1/16 size of the main picture ↔ 1/2 size

- **Sub picture position change**
  Press the **POSITION** button to repeatedly until the desired position is achieved The 1/16 picture moves clock wise.

Teletext (option)

- **Teletext (or TOP text) is an optional function, therefore only the Plasma Display with the teletext system can receive the teletext broadcast.**
- **Teletext is a free service broadcast by most TV stations which gives up-to-the-minute information on news, weather, television programmes, share prices and many other topics.**
- **The teletext decoder of this Plasma Display can support the SIMPLE, TOP and FASTEXT systems. SIMPLE (standard teletext) consists of a number of pages which are selected by directly entering the corresponding page number. TOP and FASTEXT are more modern methods allowing quick and easy selection of teletext information.**

Press the ***TEXT** button to switch to teletext.

- The initial page or last page appears on the screen. Two page numbers, TV station name, date and time are displayed on the screen headline. The first page number indicates your selection, while the second shows the current page displayed.

Press the ***TEXT** button to switch off teletext.

SIMPLE text

Page selection

1. Enter the desired page number as a three digit number with the NUMBER buttons. If during selection you press a wrong number, you must complete the three digit number and then reenter the correct page number.
2. The ▲ / ▼ button can also be used to select the preceding or following page.

Programming a colour button in LIST mode

If the Plasma Display is in SIMPLE text, TOP text or FASTEXT mode, press the ☰M button to switch to LIST mode.

Four teletext page numbers of your choice can be colour coded and easily selected by pressing the corresponding coloured button on the remote control.

1. Press a coloured button.
2. Using the NUMBER buttons, select the page you wish to programme.
3. Press the **OK** button. Then the selected page is stored as the selected page number with blinking once. From now on, you can select this page with the same coloured button.
4. The three other coloured buttons are programmed in this way.

TOP text (option)

The user guide displays four fields-red, green, yellow and blue at the bottom of the screen. The yellow field denotes the next group and the blue field indicates the next block.

Block / group / page selection

1. With the blue button you can progress from block to block.
2. Use the yellow button to proceed to the next group with automatic overflow to the next block.
3. With the green button you can proceed to the next existing page with automatic overflow to the next group. (Alternatively the ▲ button can be used.)
4. The red button permits to return to previous selection. (Alternatively the ▼ button can be used.)

Direct page selection

Corresponding to the SIMPLE text mode, you can select a page by entering it as a three digit number using the NUMBER buttons in TOP mode.

FASTEXT

The teletext pages are colour coded along the bottom of the screen and are selected by pressing the corresponding coloured button.

Page selection

1. Press the button to select the index page.
2. You can select the pages which are colour coded along the bottom line with the same coloured buttons.
3. Corresponding to the SIMPLE text mode, you can select a page by entering its three digit page number with the NUMBER buttons in FASTEXT mode.
4. The ▲ / ▼ button can also be used to select the preceding or following page.

Teletext (option)

Special teletext functions

REVEAL
Press this button to display concealed information, such as solutions of riddles or puzzles.
Press this button again to remove the information from the display.

SIZE
Selects double height text.
Press this button to enlarge the top half of the page.
Press this button again to enlarge the bottom half of the page.
Press this button again to return to the normal display.

UPDATE
Displays the TV picture on the screen while waiting for the new teletext page. The display will appear at the top left hand corner of the screen. When the updated page is available then display will change to the page number.
Press this button to view the updated teletext page.

HOLD
Stops the automatic page change which will occur if a teletext page consists of 2 or more sub pages. The number of sub pages and the sub page displayed is, usually, shown on the screen below the time. When this button is pressed the stop symbol is displayed at the top left-hand corner of the screen and the automatic page change is inhibited.
To continue press this button again.

MIX
Displays the teletext pages superimposed on the TV picture.
To switch the TV picture off press this button again.

TIME
When viewing a TV programme, press this button to display the time at the top right hand corner of the screen. Press this button again to remove the display.
In the teletext mode, press this button to select a sub page number. The sub page number is displayed at the bottom of the screen. To hold or change the sub page, press the RED/GREEN, ▲ / ▼ or NUMBER buttons.
Press again to exit this function.

Troubleshooting check list

No picture & No sound	• Check whether the Plasma Display is turned on. • Check the power cord. • Plug another product's power cord into the wall outlet where the Plasma Display's power cord was plugged in.
Picture OK & No sound	• Try another programme. • Press the **VOLUME** (►) button.
The remote control doesn't work	• Check to see if there is any object between the Plasma Display and the remote control causing obstruction. • Check to see if the batteries are installed with the correct polarities. (Refer to p.28) • Replace new batteries. (Refer to p.28)
No colour or Poor colour	• Try another programme. • Adjust picture items in the picture menu. (Refer to p.41)
Lines or streaks in picture	• Check aerial (Change the direction of the antenna). • Do fine tuning.
Spots or trembling in picture	• Check aerial (Change the direction of the antenna).

Troubleshooting check list

Vertical bars or stripes in picture	• Check for local interference (Refer to p.14)
Poor picture	• Keep a certain distance between the Monitor and the VCR. • Activate any function to restore the brightness of the picture. (If still picture is on the screen for more than 5 minutes, the screen gets dark.)
Poor stereo sound	• Check the kind of input signal and select **MONO** or **STEREO** with the **I/II** button. (Refer to p.44)
No output from one of the Speakers	• Adjust **Balance** in the sound menu. (Refer to p.43)
Strange sound from the Plasma Display	• The reason strange sound comes from the Plasma Display when turning the Plasma Display on or off is due to the signals being input or output to the PDP panel. This strange noise does not mean that the Plasma Display is faulty.

Note